

Claims

- [c1] What I claim as my invention is an infant safety-monitoring system using radio frequency that monitors and warns of an excessive range between a transmitter and matched receiver.
- [c2] A method wherein the system warns a driver of a vehicle that they have exceeded a safe distance from their infant in their infant vehicle safety seat.
- [c3] A method wherein the goal is to prevent an infant from being inadvertently left unattended in a vehicle safety seat.
- [c4] A method wherein the RF transmitter is permanently attached to the infants vehicle safety seat.
- [c5] A method wherein the warning alarm on the receiver sounds when outside an approximate 40 feet transmission range of the transmitter.
- [c6] A method wherein the digital transmitter and receiver units are paired by using encoder and decoder chips with selective ID address codes.

- [c7] A method wherein both units are powered by replaceable batteries providing a minimum of 3.0 VDC to the internal circuitry.
- [c8] A method wherein the battery power are monitored with a low battery LED warning.
- [c9] A method wherein the RF receiver is held by a driver of vehicle in a small key chain size packaging.
- [c10] What I claim as my invention is a transmitter that is capable of transmitting two channels of digitally coded information from 902 to 928 megahertz (MHz).
- [c11] A method wherein the RF signal is encoded with an encoder chip hardwired to a DIP switch to set address codes.
- [c12] A method wherein the transmitters on/off switch provides a data signal on channel 1.
- [c13] A method wherein the transmitters push to test button transmits data to receiver on channel 2.
- [c14] A method wherein the transmitter is encased in a fire retardant ABS plastic case.
- [c15] A method wherein the transmitter will be encased in a case no larger than 3.0 inches by 2.25 inches by 1.25

inches.

- [c16] What I claim as my invention is a digital radio frequency receiver that is capable of receiving digitally coded data signals from a paired transmitter operating between 902 and 928 MHz.
- [c17] A method wherein the RF signal is decoded with a decoder chip hardwired to a DIP switch to set address codes.
- [c18] A method wherein the transmitters on/off switch provides a data signal on channel 1 of the receiver's audible alarm circuit.
- [c19] A method wherein the transmitters push to test button transmits data to the receiver's channel 2 push to test LED circuitry.
- [c20] A method wherein the receiver is encased in a fire retardant ABS plastic case.
- [c21] A method wherein the receiver will be encased in a case no larger than 3.25 inches by 2.5 inches by 1.25 inches.